

## General

### Title

Diagnostic flexible bronchoscopy: proportion of patients with confirmed diagnosis of lung cancer who underwent endobronchial ultrasound-guided transbronchial needle aspiration (EBUS-TBNA) sampling for diagnosis/staging who were diagnosed and accurately staged by EBUS-TBNA sampling.

### Source(s)

British Thoracic Society (BTS). Quality standards for diagnostic flexible bronchoscopy in adults. London (UK): British Thoracic Society (BTS); 2014 Dec. 37 p. (British Thoracic Society Reports; no. 5). [28 references]

## Measure Domain

### Primary Measure Domain

Clinical Quality Measures: Process

### Secondary Measure Domain

Does not apply to this measure

## Brief Abstract

### Description

This measure is used to assess the proportion of patients with confirmed diagnosis of lung cancer (pathological intra-thoracic lymphadenopathy) who underwent endobronchial ultrasound-guided transbronchial needle aspiration (EBUS-TBNA) sampling for diagnosis/staging who were diagnosed and accurately staged by EBUS-TBNA sampling.

### Rationale

To achieve high diagnostic standards for endobronchial ultrasound-guided transbronchial needle aspiration (EBUS-TBNA) practice and adequate sampling to direct treatment where appropriate.

The British Thoracic Society (BTS) guideline for diagnostic flexible bronchoscopy in adults (Du Rand et al., 2013) and the BTS guideline for advanced diagnostic and therapeutic flexible bronchoscopy in adults (Du

Rand et al., 2011) are the main references for the quality standards.

## Evidence for Rationale

British Thoracic Society (BTS). Quality standards for diagnostic flexible bronchoscopy in adults. London (UK): British Thoracic Society (BTS); 2014 Dec. 37 p. (British Thoracic Society Reports; no. 5). [28 references]

Du Rand IA, Barber PV, Goldring J, Lewis RA, Mandal S, Munavvar M, Rintoul RC, Shah PL, Singh S, Slade MG, Woolley A, British Thoracic Society Interventional Bronchoscopy Guideline Group. British Thoracic Society guideline for advanced diagnostic and therapeutic flexible bronchoscopy in adults. Thorax. 2011 Nov;66(Suppl 3):iii1-21. [131 references] [PubMed](#)

Du Rand IA, Blaikley J, Booton R, Chaudhuri N, Gupta V, Khalid S, Mandal S, Martin J, Mills J, Navani N, Rahman NM, Wrightson JM, Munavvar M, British Thoracic Society Bronchoscopy Guideline Group. British Thoracic Society guideline for diagnostic flexible bronchoscopy in adults. Thorax. 2013 Aug;68(Suppl 1):i1-44. [303 references] [PubMed](#)

## Primary Health Components

Lung cancer; flexible bronchoscopy; endobronchial ultrasound-guided transbronchial needle aspiration (EBUS-TBNA) sampling; diagnosis; staging

## Denominator Description

The number of patients with confirmed diagnosis of lung cancer who underwent endobronchial ultrasound-guided transbronchial needle aspiration (EBUS-TBNA) sampling for diagnosis/staging (see the related "Denominator Inclusions/Exclusions" field)

## Numerator Description

The number of patients diagnosed and accurately staged by endobronchial ultrasound-guided transbronchial needle aspiration (EBUS-TBNA) sampling (see the related "Numerator Inclusions/Exclusions" field)

## Evidence Supporting the Measure

### Type of Evidence Supporting the Criterion of Quality for the Measure

A clinical practice guideline or other peer-reviewed synthesis of the clinical research evidence

A systematic review of the clinical research literature (e.g., Cochrane Review)

One or more research studies published in a National Library of Medicine (NLM) indexed, peer-reviewed journal

### Additional Information Supporting Need for the Measure

Unspecified

## Extent of Measure Testing

Unspecified

## National Guideline Clearinghouse Link

[British Thoracic Society guideline for diagnostic flexible bronchoscopy in adults.](#)

## State of Use of the Measure

### State of Use

Current routine use

### Current Use

not defined yet

## Application of the Measure in its Current Use

### Measurement Setting

Ambulatory Procedure/Imaging Center

Hospital Inpatient

Hospital Outpatient

### Professionals Involved in Delivery of Health Services

not defined yet

### Least Aggregated Level of Services Delivery Addressed

Single Health Care Delivery or Public Health Organizations

### Statement of Acceptable Minimum Sample Size

Unspecified

### Target Population Age

Adults

### Target Population Gender

Either male or female

# National Strategy for Quality Improvement in Health Care

## National Quality Strategy Aim

Better Care

## National Quality Strategy Priority

Prevention and Treatment of Leading Causes of Mortality

# Institute of Medicine (IOM) National Health Care Quality Report Categories

## IOM Care Need

Living with Illness

## IOM Domain

Effectiveness

# Data Collection for the Measure

## Case Finding Period

Unspecified

## Denominator Sampling Frame

Patients associated with provider

## Denominator (Index) Event or Characteristic

Clinical Condition

Diagnostic Evaluation

## Denominator Time Window

not defined yet

## Denominator Inclusions/Exclusions

Inclusions

The number of patients with confirmed diagnosis of lung cancer\* who underwent endobronchial ultrasound-guided transbronchial needle aspiration (EBUS-TBNA) sampling for diagnosis/staging

\*Pathological intra-thoracic lymphadenopathy

Exclusions

Unspecified

## Exclusions/Exceptions

not defined yet

## Numerator Inclusions/Exclusions

Inclusions

The number of patients diagnosed and accurately staged by endobronchial ultrasound-guided transbronchial needle aspiration (EBUS-TBNA) sampling

Note: A final diagnosis in patients with a negative EBUS-TBNA should be recorded after surgical sampling or at least 6 months clinical follow-up.

Exclusions

Unspecified

## Numerator Search Strategy

Fixed time period or point in time

## Data Source

Administrative clinical data

## Type of Health State

Does not apply to this measure

## Instruments Used and/or Associated with the Measure

Unspecified

## Computation of the Measure

## Measure Specifies Disaggregation

Does not apply to this measure

## Scoring

Rate/Proportion

## Interpretation of Score

Desired value is a higher score

## Allowance for Patient or Population Factors

not defined yet

## Standard of Comparison

not defined yet

## Prescriptive Standard

All units achieve a diagnostic sensitivity for staging lung cancer of at least 88%.

## Evidence for Prescriptive Standard

British Thoracic Society (BTS). Quality standards for diagnostic flexible bronchoscopy in adults. London (UK): British Thoracic Society (BTS); 2014 Dec. 37 p. (British Thoracic Society Reports; no. 5). [28 references]

## Identifying Information

### Original Title

Quality statement 5a.

### Measure Collection Name

Quality Standards for Diagnostic Flexible Bronchoscopy in Adults

### Submitter

British Thoracic Society - Medical Specialty Society

### Developer

British Thoracic Society - Medical Specialty Society

### Funding Source(s)

British Thoracic Society

### Composition of the Group that Developed the Measure

A Quality Standards Working Group was convened in September 2013, with the following membership:

Dr Ingrid Du Rand, *Co-Chair*, consultant respiratory physician, Hereford  
Dr M Munavvar, *Co-Chair*, consultant respiratory physician, Preston  
Dr Jonathan Bennett, consultant respiratory physician, Leicester  
Dr John Blaikley, senior lecturer and honorary consultant respiratory physician, Manchester  
Dr Richard Booton, consultant respiratory physician, Manchester  
Dr Nazia Chaudhuri, consultant respiratory physician, Manchester  
Dr James Finnerty, consultant respiratory physician, Chester  
Dr Vandana Gupta, specialist registrar in respiratory medicine, Manchester  
Dr Saifudin Khalid, consultant respiratory physician, Blackburn  
Dr Swapna Mandal, specialist registrar in respiratory medicine, London  
Ms Julie Martin, respiratory nurse consultant, Manchester  
Mrs Anne McCloy, lay representative  
Ms Janet Mills, respiratory nurse, Preston  
Dr Neal Navani, consultant respiratory physician, London  
Dr Najib Rahman, consultant respiratory physician, Oxford  
Dr John Wrightson, consultant respiratory physician, Oxford

## Financial Disclosures/Other Potential Conflicts of Interest

Members of the Quality Standards Group submitted Declaration of Interest forms in line with the British Thoracic Society (BTS) policy and copies of forms are available online via the [BTS Web site](#)  or on request from the BTS Head Office.

## Adaptation

This measure was not adapted from another source.

## Date of Most Current Version in NQMC

2014 Dec

## Measure Maintenance

The Quality Standards document will be reviewed in 2018 or following the publication of a revised guideline, whichever is the sooner.

## Date of Next Anticipated Revision

2018

## Measure Status

This is the current release of the measure.

## Measure Availability

Source available from the [British Thoracic Society \(BTS\) Web site](#) .

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## NQMC Status

This NQMC summary was completed by ECRI Institute on November 15, 2016. The information was verified by the measure developer on January 4, 2017.

## Copyright Statement

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## Production

### Source(s)

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